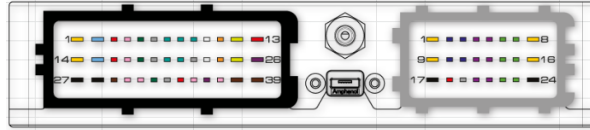
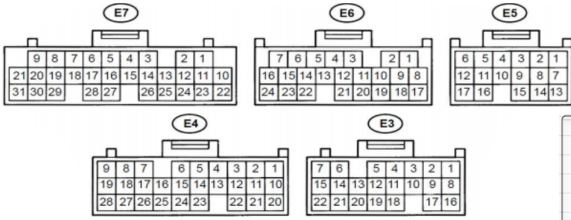


2001 Lexus IS300 & 98-01 GS300 (Parallel Harness)

Pinout ECM



| Black Connector | | Vehicle Side | | | Gray Connector | | Vehicle Side | | |
|-----------------|-----------------|-----------------------------|-----------------------------|-----------------------|----------------|----------------------------|-----------------------------------|------------------------|-----------------------|
| Pin | Function | Harness Pin / Wire Color | Device | (Tapped or Int)ercept | Pin | Function | Harness Pin | Device | (Tapped or Int)ercept |
| 1 | Ignition Coil 5 | | | | 1 | Ignition coil #6 | | | |
| 2 | EGT #1 | | | | 2 | Stepper motor #1 winding A | | | |
| 3 | Knock Sensor #1 | E7-28 Green | Knock 1 | Tap | 3 | Stepper motor #2 winding A | | | |
| 4 | Analog input #2 | | | | 4 | AUX 6 | E7-18 Purple | VVTI Solenoid | Int |
| 5 | CLT in | E6-14 Blue/Y | ECT | Tap | 5 | AUX 3 | | | |
| 6 | WBO Vs | Bosch 4.9 LSU PIN 6 | WBO | | 6 | Injector #4 | E7-2 Purple/Red | INJ 4 | Int |
| 7 | Camsync #2 | | | | 7 | Injector #1 | E6-5 Blue/Red | INJ 1 | Int |
| 8 | Primary Trigger | E7-23 White | Crank Trigger + | | 8 | Ignition coil #1 | E7-11 Blue/White | Coil 1 | Int |
| 9 | Flex Fuel In | | | | 9 | Ignition coil #3 | E7-13 Y/White | Coil 3 | Int |
| 10 | Switch #1 in | | | | 10 | Stepper motor #1 winding B | | | |
| 11 | RS232 TX | | | | 11 | Stepper motor #2 winding B | | | |
| 12 | CAN H | | | | 12 | AUX 5 | E3-6 Yellow | MIL | Int |
| 13 | Constant +12V | E3-1 Red/W | Constant 12V | | 13 | AUX 2 | | | |
| 14 | Ignition Coil 4 | | | | 14 | Injector #5 | E7-3 Brown/Red | INJ 5 | Int |
| 15 | EGT #2 | | | | 15 | Injector #2 | E6-6 Orange/Red | INJ 2 | Int |
| 16 | Knock Sensor #2 | E7-27 Blue | Knock 2 | | 16 | Ignition coil #2 | E7-12 Orange/W | Coil 1 | Int |
| 17 | Analog input #3 | | | | 17 | Power Ground | E7-21 Black/Blue | Power Ground | Tap |
| 18 | TPS in | E6-23 Gray | TPS | Tap | 18 | Power +12V | E3-16, (Int. E7-17) Red | Bosch 4.9 pin 4 | Tap |
| 19 | WBO Ip | Bosch 4.9 LSU PIN 1 | WBO | | 19 | WBO Heater | Bosch 4.9 LSU Pin 3 Orange | | |
| 20 | VSS In | E5-5 Brown/Y | VSS | Tap | 20 | AUX 4 / Tacho | | | |
| 21 | Camsync #1 | E7-10 Red | Cam + | Tap | 21 | AUX 1 | | | |
| 22 | WBO Rcal | Bosch 4.9 LSU PIN 5 | | | 22 | Injector #6 | E7-4 Green/Red | INJ 6 | Int |
| 23 | Switch #2 in | | | | 23 | Injector #3 | E7-1 Y/Red | INJ 3 | Int |
| 24 | RS232 RX | | | | 24 | Power Ground | E7-31 Black/Red | Power Ground | Tap |
| 25 | CAN L | | | | | | | | |
| 26 | +5V Supply | | | | | | | | |
| 27 | Power Ground | E7-9 Black | Power Ground | | | | | | |
| 28 | ECU Ground | E6-17 Black/W | ECU Ground | | | | | | |
| 29 | Sensor Ground | | IAT A | | | | | | |
| 30 | Analog input #4 | | | | | | | | |
| 31 | Analog Input #1 | | | | | | | | |
| 32 | IAT in | | IAT B | | | | | | |
| 33 | WBO2 VGND | Bosch 4.9 LSU PIN 2 | | | | | | | |
| 34 | +5V Supply | | | | | | | | |
| 35 | Analog input #5 | | | | | | | | |
| 36 | Switch #3 in | | | | | | | | |
| 37 | Analog input #6 | | | | | | | | |
| 38 | Sensor Ground | | | | | | | | |
| 39 | Sensor Ground | E7-22 (Shield) Black | Common Timing Ground | Int | | | | | |